KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0378 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)					
2009	9KBXL01.5BAD	1.123, 1.498	Diesel	5000					
	FEATURES & EMISSION C		TYPICAL EQUIPMENT APPLICATION						
In	direct Diesel Injection, Tu Smoke Puff, Limiter (Son	urbocharger, ne Models)	Tractor, Compressor, G Other Industrial Eq	enerator Set, uipment					

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED	EMISSION			. Е	XHAUST (g/kw-l	OPACITY (%)				
POWER CLASS			нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
19 ≤ kW < 3 7	Tier 4 Interim	STD	N/A	N/A	7.5	5.5	0.30	20	15	50
		CERT			5.6	0.7	0.16	6	1	16

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this day of December 2008.

Annette Hebert, Chief

Mobile Source Operations Division

Raphael Susnowin

Engine Model Summary Form

Manufacturer: KUBOTA Corporation

Engine category: Nonroad CI

EPA Engine Family: 9KBXL01.5BAD

Mfr Family Name: N/A

Process Code: New Submission

ЗАБ

Attachment

1 to 1

U-R-025-0378

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trol 1930	103																				1			
8.Fuel Rate: 9.Emission Control (bs/hr)@peak torque Device Per SAE J1930	EM	EM,SPL	EM	EM,SPL		EM,SPL	EM	EM,SPL	EM	EM,SPL	EM	EM,SPL	EM	EM,SPL	ЕМ	EM						A DESCRIPTION OF THE PROPERTY		
te: torque De		,																			and the second s			
8.Fuel Rate: /hr)@peak to	10.4	10.4	10.2	10.2	 1.:-	14.1	14.0	14.0	13.4	13.4	13.5	13.5	12.0	12.0	13.4	11.7		-						
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7.Fuel Rate: mm/stroke@peak torque	31.0	31.0	30.3	30.3	31.5	31.5	31.4	31.4	30.0	30.0	30.3	30.3	26.9	26.9	30.0	27.5			inner former en de de malegrane. Austre		A STATE OF THE PARTY OF THE PAR	oran james and describe and des		
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6.Torque @ RPM (SEA Gross)	65.0@2000	65.0@2000	63.5@2000	63.5@2000	90.9@2000	90.9@2000	90.5@2000	90.5@2000	87.5@2000	87.5@2000	90.9@2000	90.9@2000	78.3@2000	78.3@2000	87.5@2000	80.0@1900		mala krandi bilan Banda dapin ata bir damikata diban bara rawa Fal	and the state of t		and in the second secon	de se informação de consequencia de desta de defenda de desta de desta de desta de desta de desta de desta de s	30.7	
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	14.2	14.2	13.2	13.2	19.0	19.0	47.8	17.8	19.0	19.0	15.5	15.5	19.0	19.0	17.4	15.2		enteriores in respectively and the contractive in the contractive in the contractive in the contraction in the	and continued and the second s		and demonstrates are reserved as a constraint of the second of the secon			
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	28.2	28.2	27.6	27.6	28.3	28.3	28.0	28.0	28.3	28.3	28.9	28.9	28.3	28.3	27.8	27.2		d'ich enkenem kemi keristerrektivankeraniaraan distant			inclaiment or a facility of the facility of th			
4. mm/stro (for																								Carles and
3.BHP@RPM (SAE Gross)	32.9@3000	32.9@3000	31.0@2850	31.0@2850	44.3@3000	44.3@3000	42.0@2850	42.0@2850	44.3@3000	44.3@3000	38.4@2400	38.4@2400	44.3@3000	44.3@3000	41.0@2800	36.3@2500					***************************************	***************************************		
2.Engine Model	D1105-T-ET	D1105-T-ET	D1105-T-ET27-	D1105-T-ET	V1505-T-ET 33.1 44.3@3000	V1505-T-ET KM	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	V1505-T-ET	AND THE PERSON NAMED IN COLUMN STREET, AND THE PERSON NAM		The state of the s	***************************************	THE CONTRACT OF THE PROPERTY O	 191-101-101-101-101-101-101-101-101-101-	The second of the second secon	
1.Engine Code	D1105-T-ET01	D1105-T-ET01b	D1105-T-ET02	D1105-T-ET02b	V1505-T-ET01	V1505-T-ET01b	V1505-T-ET02	V1505-T-ET02b	V1505-T-ET03	V1505-T-ET03b	V1505-T-ET04	V1505-T-ET04b	V1505-T-ET05	V1505-T-ET05b	V1505-T-ET06	V1505-T-ET07			 INTO THE PROPERTY OF THE PROPE					(The same of the